

For Research Use Only

CD109 Recombinant antibody, PBS Only

Catalog Number: 85924-4-PBS



Basic Information

Catalog Number: 85924-4-PBS	GenBank Accession Number: NM_133493.5	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 135228	CloneNo.: 250327A11
Source: Rabbit	UNIPROT ID: Q6YHK3-1	
Isotype: IgG	Full Name: CD109 molecule	
Immunogen Catalog Number: EG2673	Calculated MW: 162 kDa	
	Observed MW: 180 kDa	

Applications

Tested Applications:
WB, IHC, Indirect ELISA

Species Specificity:
human

Background Information

CD109, also named as CPAMD7, is a member of the alpha2-macroglobulin/complement superfamily. It is a glycosylphosphatidylinositol (GPI)-linked cell surface glycoprotein of approximately 170kd which is found on the cell surface of platelets, activated T-cells, and endothelial cells. CD109 binds to and negatively regulates signaling of transforming growth factor beta (TGF-beta). CD109 has been identified as part of the TGF-beta receptor system in human keratinocytes. Up regulation of CD109 expression has been observed in several different types of tumor. CD109 is a glycosyl-phosphatidylinositol-anchored glycoprotein that is a member of the a2-macroglobulin/C3, C4, C5 family of thioester-containing proteins. There're 2 forms of 150 (p150) and 120 kDa (p120) exist due to proteolytic degradation from a 180 kDa form.

Storage

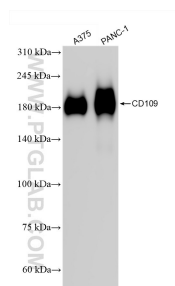
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

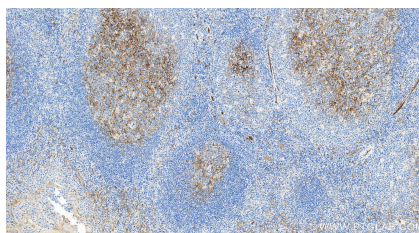
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85924-4-RR (CD109 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 85924-4-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 85924-4-RR (CD109 antibody) at dilution of 1:800 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 85924-4-PBS in a different storage buffer formulation.